

PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION

455 12TH STREET, S.W.

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Report No. 431 EXPERIMENTAL ACTIONS

The Commission, by its Office of Engineering and Technology, Experimental Licensing Branch, granted the following experimental applications during the period from 6/1/10 to 8/1/10:

- **WF2XLN GLYSENS INCORPORATED 0287-EX-PL-2010**
New experimental to operate on 433.92 MHz for testing of implantable electronic medical devices.
Mobile: San Diego, CA metropolitan area
- **WF2XLQ TELCORDIA TECHNOLOGIES, INC. 0257-EX-PL-2010**
New experimental to operate in 495 – 510 kHz to conduct experiments on the impact of radio frequency interference (RFI) into advanced communications services such as broadband access.
Mobile: East Coast region of continental U.S.
- **WF2XLM L-3 COMMUNICATIONS LINKABIT DIVISION 0209-EX-PL-2010**
New experimental to operate in 1800 – 2174.5 kHz, 2187.5 - 2495 kHz, 2501 - 4995 kHz, 5003 - 9995 kHz, 10003 - 14995 kHz, 15003 - 19995 kHz, 20003 - 24995 kHz, 25003 - 29995 kHz and 35500 - 37500 kHz to test and demonstrate equipment for HF and VHF.
Fixed & Mobile: Victor [Ontario], NY; Melbourne (Brevard), FL; San Diego (San Diego), CA; Fort Wayne (Allen), IN
- **WF2XIV TICOM GEOMATICS, INC. 0146-EX-PL-2010**
New experimental to operate on various high frequencies between 2391 kHz and 29715 kHz for test and development of a direction finder.
Fixed & Mobile: San Diego, CA; Austin (Travis), TX;
- **WF2XKN BAE SYSTEMS AEROSPACE & DEFENSE GROUP INC. 0217-EX-PL-2010**
New experimental to operate in 137 – 152 MHz and 456 – 470 MHz for testing a military battery.
Mobile: BAE Systems Campus, Phoenix, AZ
- **WF2XCG SPECTRUM BRIDGE, INC. 0269-EX-PL-2009**
New experimental to operate in 174-216 MHz to conduct research by using vacant spectrum in the television broadcast band, for the testing of fixed Whitespace devices.
Fixed: Claudville (Patrick), VA
- **WF2XKW JAMES EDWIN WHEDBEE 0247-EX-PL-2010**
New experimental to operate in 186-192 MHz to transmit visual and aural signals to a pick-up point for recordation and internet transmission for family viewing, using TV Channel 9.
Fixed: Kansas City (Jackson), MO; Gladstone (Clay), MO
- **WF2XIB HARRIS CORPORATION 0112-EX-PL-2010**
New experimental to operate on 286.4 and 362.25 MHz for testing waveforms on military manpack radios.
Fixed & Mobile: Rochester (Monroe), NY

- **WF2XJA NORTHROP GRUMMAN SHIP SYSTEMS, INC. 0131-EX-PL-2010**
New experimental to operate on 385.0375, 385.0875, 385.7125, 385.7625, 385.8375, 385.9625, 395.575, 395.775, 395.975, 397.05, 397.3 and 397.45 MHz to support USCG contract.
Mobile: On NSC within 240 km of Northrop Grumman Pascagoula Operations, Pascagoula, MS
- **WF2XLI RAYTHEON MISSILE SYSTEMS 0196-EX-PL-2010**
New experimental to operate in 420 – 430 MHz, 2200 – 2290 MHz, 2310 – 2390 MHz and 5400 – 5900 MHz for ground test of telemetry equipment to verify performance.
Fixed: Tucson (Pima), AZ; East Camden (Quachita), AR
- **WF2XKJ LOCKHEED MARTIN CORPORATION 0224-EX-PL-2010**
New experimental to operate in 758 – 763 MHz and 788 – 793 MHz to demonstrate a 3G cellular-like voice and data services.
Mobile: King of Prussia (Montgomery), PA; Gaithersburg (Montgomery), MD; Suffolk, VA; Akron [Summit], OH; Fort Worth [Tarrant], TX; Owego [Tioga], NY
- **WF2XKK MNEMONICS, INC. 0211-EX-PL-2010**
New experimental to operate in 875 – 955 MHz to research and develop passive surface acoustic wave.
Fixed: Melbourne (Brevard), FL
- **WF2XHJ BAE SYSTEMS UNMANNED AIRCRAFT PROGRAMS INC. 0487-EX-PL-2009**
New experimental to operate in 902 – 928 MHz, 1755 – 1850 MHz and 2360 – 2400 MHz for testing radio link equipment used in the unmanned aircraft systems.
Mobile: Temporary Fixed Locations (Ground), Tucson, AZ
- **WF2XIP LOCKHEED MARTIN CORPORATION 0130-EX-PL-2010**
New experimental to operate on frequencies between 910 MHz and 2510 MHz to test NTSC analog video signals on board an UAV.
Fixed: Lakehurst NAE (Ocean), NJ; Red Lion (Burlington), NJ; Pennsauken and Cherry Hill (Camden), NJ;
- **WF2XLB RAYTHEON BBN TECHNOLOGIES 0206-EX-PL-2010**
New experimental to operate on 915 MHz and in 1755 – 1850 MHz, 2400 - 2483.50 MHz, 4400 – 4900 MHz and 5650 – 5925 MHz for testing wireless network radios
Mobile: Cambridge (Middlesex), MA
- **WF2XLL ELSTER AMCO WATER, INC. 0145-EX-PL-2010**
New experimental to operate in 952-956 MHz for testing data systems.
Mobile within 15 km of 1100 SW 38th Aveune, Ocala, FL
- **WF2XKL LOCKHEED MARTIN CORPORATION 0230-EX-PL-2010**
New experimental to operate on 1030 MHz and 1090 MHz for testing and demonstration of radar model no. TPS-79, in.
Fixed & Mobile: Syracuse [Onondaga], NY
- **WF2XJI INSITU INC. 0124-EX-PL-2010**
New experimental to operate on 1090 MHz and in 1350 – 1390 MHz and 1710 – 1850 MHz for ground testings for aircraft maintenance.
Fixed: Stevenson (Skamania), WA
- **WF2XJJ INSITU INC. 0129-EX-PL-2010**
New experimental to operate on 1090 MHz and in 1350 – 1390 MHz and 1710 – 1850 MHz for ground testings for aircraft maintenance.
Fixed: Bingen (Klickitat), WA
- **WF2XGF RAYTHEON MISSILE SYSTEMS 0469-EX-PL-2009**
New experimental to operate on 1227.6 MHz and 1575.42 MHz for testing radionavigation satellite service (RNSS) equipment and systems.
Mobile: Throughout the states of CA, AZ, FL, NM and UT

- **WF2XJY GENERAL DYNAMICS 0188-EX-PL-2010**
New experimental to operate on 1227.6 and 1575.42 MHz for testing of GPS receivers integrated into 10 DE CGS retrofit US Army shelters.
Fixed: Scottsdale (Maricopa), AZ
- **WF2XHV THE BOEING COMPANY 0096-EX-PL-2010**
New experimental to operate on 1387 MHz and in 1755 – 1850 MHz for testing of radio communication systems in support of expanded communications tactics, techniques and capability.
Mobile: Boeing Facility, Kent, WA
- **WF2XKU INMARSAT HAWAII INC. 0241-EX-PL-2010**
New experimental to operate in 1525 – 1559 MHz and 1626.50 - 1660.50 MHz to conduct testing and demonstration of GSPS
Mobile: Nationwide
- **WF2XJK NORFOLK SOUTHERN RAILWAY COMPANY 0048-EX-PL-2010**
New experimental to operate on 1575 MHz for testing GPS equipment.
Fixed: Atlanta (Fulton), GA
- **WF2XJL CESSNA AIRCRAFT COMPANY 0098-EX-PL-2010**
New experimental to operate on 1575.42 MHz for testing GPS equipment.
Fixed: Phoenix (Maricopa), AZ
- **WF2XKE UNIVERSITY OF WYOMING ATMOSPHERIC SCIENCE DEPARTMENT 0160-EX-PL-2010**
New experimental to operate on 1575.42 MHz for testing radionavigation satellite service (RNSS) equipment and systems.
Fixed: Laramie (Albany), WY
- **WF2XKP VERCET LLC 0231-EX-PL-2010**
New experimental to operate on 1575.42 MHz for testing radio navigation satellite service (RNSS) equipment and systems.
Fixed: Carrollton (Denton), TX
- **WF2XLK PRAEMITTAS GROUP INC. 0244-EX-PL-2010**
New experimental to operate on 1575.42 MHz for testing GPS equipment.
Fixed: E Lorton (Fairfax), VA
- **WF2XKV GENERAL DYNAMICS - ITRONIX 0246-EX-PL-2010**
New experiment to operate on 1575.42 MHz for testing of ruggedized laptops and mobile computing devices which have GPS capabilities.
Fixed: Sunrise (Broward), FL
- **WF2XKF THE BOEING COMPANY 0214-EX-PL-2010**
New experimental to operate in 1626.50 - 1660.00 MHz to support operation of an INMARSAT terminal at Boeing aircraft maintenance hangar.
Mobile: Gary, IN
- **WF2XLV ERICSSON INC 0249-EX-PL-2010**
New experimental to operate in 1920 – 1995 MHz and 2110 – 2180 MHz for demonstration of a QuicLink system.
Mobile: Nationwide
- **WF2XLE RAYTHEON NETWORK CENTRIC SYSTEMS 0265-EX-PL-2010**
New experimental to operate on 1922.60 MHz, 1927.40 MHz, 2112.60 MHz and 2117.40 MHz to build, to test and to evaluate the communications system and develop and conduct demonstration for military/government officials.
Fixed & Mobile: Fort Wayne (Allen), IN; Fullerton (Orange), CA; McKinney (Collin), TX; Marlborough (Middlesex), MA; Largo (Pinellas), FL

- **WF2XLC BLUE ORIGIN, LLC 0195-EX-PL-2010**
New experimental to operate on 2042 MHz to conduct launch vehicle research.
Mobile: Van Horn, TX
- **WF2XJR LOCKHEED MARTIN CORPORATION 0183-EX-PL-2010**
New experimental to operate in 2203.70 - 2300.30 MHz to test data communications capabilities of the SEWIP program.
Mobile: Liverpool [Onondaga], NY
- **WF2XLJ FLIGHT RESEARCH INC 0276-EX-PL-2010**
New experimental to operate on 2400 MHz for testing links between Surrogate Unmanned Air Vehicle (SUAV) and Ground Control Element (GCE)
Mobile: Mojave, CA
- **WF2XMC AIRCELL LLC 0282-EX-PL-2010**
New experimental to operate on 2400 MHz and 5000 MHz for compliance testing for devices in unlicensed bands.
Mobile: Designated Airports Nationwide
- **WF2XJO LOCKHEED MARTIN CORPORATION 0169-EX-PL-2010**
New experimental to operate on 2412 MHz, 2422 MHz, 2427 MHz, 2432 MHz, 2437 MHz, 2442 MHz, 2442 MHz, 2452 MHz, 2457 MHz and 2462 MHz to transmit NTSC analog video signal from a small UAV.
Fixed: Lakehurst NAE (Ocean), NJ; Red Lion (Burlington), NJ; Pennsauken and Cherry Hill (Camden), NJ;
- **WF2XLP CLEARWIRE SPECTRUM HOLDINGS III, LLC 0252-EX-PL-2010**
New experimental to operate in 2496 – 2690 MHz for WiMax testing.
Fixed & Mobile: Phoenix (Maricopa), AZ
- **WF2XLA TWC WIRELESS LLC 0253-EX-PL-2010**
New experimental to operate in 2513 – 2535 MHz to perform functional testing on devices intended for commercial offerings and applications that rely on the devices and functionality provided in a mobile network.
Mobile: inside structure in Herndon (Fairfax), VA
- **WF2XLG UNIVERSITY OF CALIFORNIA, LOS ANGELES, COMPUTER SCIENCE DEPARTMENT 0221-EX-PL-2010**
New experimental to operate in 2572-2590 MHz to conduct a WiMax network research project.
Fixed: Los Angeles (Los Angeles), CA
- **WF2XKM THE BOEING COMPANY 0228-EX-PL-2010**
New experimental to operate in 4940 – 4990 MHz to support independent research, development and testing of unmanned ground robotic vehicles.
Mobile: El Paso, TX
- **WF2XKX STAR DYNAMICS CORPORATION 0245-EX-PL-2010**
New experimental to operate on 8525 MHz for testing a Radar Product
Fixed: Galloway (Franklin), OH
- **WF2XKB STAR DYNAMICS 0172-EX-PL-2010**
New experimental to operate on 8850 MHz and 10 GHz to test a radar product for customer review and factory acceptance.
Fixed: Galloway (Franklin), OH
- **WF2XJE THE BOEING COMPANY 0166-EX-PL-2010**
New experimental to operate in 9200 – 9616 MHz for testing a beacon landing system.
Fixed & Mobile: Mesa, AZ; El Toro, CA
- **WF2XKZ VEXCEL CORPORATION 0251-EX-PL-2010**
New experimental to operate in 10.70 - 11.20 GHz to demonstrate a radar prototype unit to the Colorado Department of Transportation (CDOT).
Fixed: Boulder (Boulder), Riverside (Chaffee), Bergen Park (Jefferson), Lakewood (Jefferson) and Empire, CO

- **WF2XJD BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION INC.
0159-EX-PL-2010**

New experimental to operate in 33.4 – 36 GHz for testing a Multi-sensor Fusion Testbed system.
Mobile: Merrimack, NH